

**AMENDMENTS TO THE CLAIMS**

Upon entry of the present amendment, the status of the claims will be as is shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-15 (Cancelled)

16. (Currently Amended) A heating apparatus, comprising:

a heating element that is heated by electromagnetic induction through ~~[[an]]~~ action of a magnetic field;

an exciting coil that is disposed along the heating element and generates the magnetic field which acts on the heating element; and

a detection section that is disposed adjacent to the exciting coil and ~~is made of~~ comprises a magnetic member that detects an abnormally high temperature in the heating element,

a center core comprising a ferromagnetic member disposed in a center area of the exciting coil; and

a side core comprising a ferromagnetic member disposed on an outer side of the exciting coil,

~~wherein the detection section is disposed at a position drifted to an inner side of a magnetic path of the magnetic field.~~

wherein the detection section is interposed between the center core and the side core, and a height of the detection section, in a direction extending away from the heating element, is less than a height of the center core and a height of the side core, in directions extending away from the heating element.

17. (Currently Amended) The heating apparatus according to claim 16, ~~further comprising:~~  
~~a center core made of a ferromagnetic member disposed in a center area of the exciting~~  
~~coil; and~~  
~~a side core made of a ferromagnetic member disposed on an outer side of the exciting~~  
~~coil;~~  
wherein the exciting coil comprises a winding bundle of a conductor wire on the center  
core side and a winding bundle of a conductor wire on the side core side; and  
wherein the detection section is interposed between the winding bundle on the center core  
side and the winding bundle on the side core side.

Claims 18-22 (Cancelled)

23. (Previously Presented) The heating apparatus according to claim 16, further comprising:  
an opposed core forming part of the magnetic path and disposed on an opposite side of  
the exciting coil with respect to the heating element.
24. (Previously Presented) The heating apparatus according to claim 16,  
wherein the exciting coil is made of winding conductor wires; and  
wherein the conductor wire in an area where the detection section is disposed are parallel  
to each other in a longitudinal direction of the heating element.
25. (Previously Presented) The heating apparatus according to claim 16,  
wherein the exciting coil is symmetric with respect to a center area of the exciting coil.

26. (Previously Presented) The heating apparatus according to claim 16,  
wherein the detection section comprises at least one thermostat.
27. (Previously Presented) A fixing apparatus that comprises the heating apparatus according to claim 16.
28. (Previously Presented) An image forming apparatus that comprises the fixing apparatus according to claim 27.
29. (New) The heating apparatus according to claim 16, the center core and the side core being spaced from each other about a periphery of the heating element.
30. (New) The heating apparatus according to claim 16, the center core and side core extend longitudinally of the heating element, and are spaced from each other about a periphery of the heating element.